

DEC 05 2013

Application for Site and/or Bond Release DIV. OF OIL, GAS & MINING

Operator/Permittee: W.W. Clyde & Co.	
Mine/Project Name: Western Zirconium Pit	
File Number: S0570009	
Check One: <input type="checkbox"/> Large Mine <input checked="" type="checkbox"/> Small Mine <input type="checkbox"/> Exploration	
Check one: <input type="checkbox"/> Partial Release of a <u>portion</u> of the mine site: Acres to be released: _____ Acres Remaining: _____ Specify Area: _____ <input type="checkbox"/> Full Release of a <u>portion</u> of the mine site: _____ Acres to be released: _____ Specify Area: _____ (A new map will need to be provided for the Notice or plan removing the released area from the disturbed or bonded area.) <input checked="" type="checkbox"/> Partial Release of entire mine site: _____ Total Acres to be released: 10 (Backfilling and grading are completed) <input type="checkbox"/> Full Release of entire mine site: _____ Total Acres to be released: _____ (Vegetation is established and has survived three growing seasons.)	
Amount of Existing Surety: \$50,000	
Amount of Surety requested for release: \$5,000	
Reason for Bond Release Request: The mine face (about 5-acres) has been re-graded, topsoiled and seeded. The remaining 5 acres is to be left in tact as a gravel stockpile and staging area as per attached Weber County letter.	
Complete this section if the money released from this application is to be used as surety for future disturbance. Release bond on: _____ Acres (specify area) _____ Apply Bond to: _____ Acres (specify area) _____	
Check Applicable Boxes	DESCRIPTION of RECLAMATION ACTIVITIES COMPLETED (Describe any variance(s) that have been granted, date activity completed)
<input type="checkbox"/> Wells Plugged / shafts sealed	
<input checked="" type="checkbox"/> Disposal of debris & other materials incident to mining	All debris has been picked up or removed.

X	Drainages, reestablished & stable	Mine face has been regraded to fit the surrounds and to facilitate drainage.
X	Structures demolished / removed	The crusher and other support equipment have been removed.
X	Regrading Completed – Slopes, pits, highwalls in stable condition	The slopes have been graded to a 2h : 1V slope or flatter and smoothed to look natural.
X	Meets Postmining Land Use (Indicate Landuse)	Future land use will be graveled stockpile and staging area.
X	Roads Reclaimed	Preexisting road was left in tact for future use.
	Dams, Impoundments, Ditches, Pits reclaimed	
X	Topsoil respread – amendments added	Existing topsoil was re-applied and reseeded with the seed mix and application rate recommended by DOGM.
X	Erosion Controlled	The topsoil was granular and rocky enough and slope flat enough that erosion will not be a problem.
	Vegetation meets 70% of premining cover and has survived three years for full bond release – or has survived one year growing season to maintain small mine status.	

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments and obligations, herein.

Print Name

Sign Name, Position

Date

Return to:

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Phone: (801) 538-5291 Fax: (801) 359-3940

FOR DOGM USE ONLY:

File #: M/ /

Approved: _____

Bond Adjustment: from (\$) _____
to \$ _____

O:\FORMS\Bonding Forms\Bond-Release\site-bond-release-applic.doc



Granite Seed - Lehi
1697 W 2100 N
Lehi, UT 84043

1-21214

Date Shipped: 11-NOV-13

Sold To:
W.W. Clyde & Company
Accounts Payable
Po Box 2355
Orem, UT 84059

Project Name: Western Zirconium Pit
Mix Name: Western Zirconium Pit
Seed Mix Number: 122032

Letter of Certification

This memo is written to certify that this seed mix is true to label and has been duly tested by a fully accredited seed testing laboratory using rules sanctioned by the Association of Official Seed Analysts. The specifications of the seed used in the mix are as follows:

Common Name	Variety	Origin	Lot #	Purity	G+D+H	%PLS
Big bluegrass	Sherman	WA	POAM - LHS-121115	98.16	92	90.31
Crested wheatgrass	Kirk	CAN	AGCR - G0509	97.45	92 + 0 = 92	89.65
Forage kochia	VNS	NV	KOPR - G0759	91.99	66	60.71
Thickspike wheatgrass	Schwendimar	WY	AGDA - G0817	98.52	96 + 0 = 96	94.58
mountain big sagebrush	VNS	UT	ARTRV - INV123285	32.43	96	31.13

Mix #	Number of Bags	Bulk Lbs. Per Bag
122032	1	50 full
122032	1	33.45 partial

Common Name	Lot #	Total Bulk Lbs.	Total PLS Lbs.	% Total Bulk Lbs.
Big bluegrass	POAM - LHS-121115	5.54	5.00	6.63
Crested wheatgrass	AGCR - G0509	44.62	40.00	53.47
Forage kochia	KOPR - G0759	4.12	2.50	4.93
Thickspike wheatgrass	AGDA - G0817	21.15	20.00	25.34
mountain big sagebrush	ARTRV - INV123285	8.03	2.50	9.62
Grand Total Lbs:		83.45	70.00	

If you have any questions, please call.

Sincerely,
Granite Seed - Lehi

From:

122032 - Western Zirconium Pit

1-21214

CERTIFIED COPY OF SEED ANALYSIS

Kind and Variety: AGROPYRON CRISTATUM - CRESTED WHEATGRASS - KIRK

Lot Number:	AGCR - G0509	Origin:	CAN	Laboratory Names:
Pure Seed:	97.45 %	Germ % + Hard %	92 + 0 = 92-G	NST Labs
Other Crop:	0.41 %	Total Viable %:	92.00	(Purity: AG Seed Lab)
Inert Matter:	2.14 %	Date Tested:	25-JUN-13	
Weed Seed:	0.00 %	Prohibited or		
Pure Live Seed:	89.65%	Restricted Noxious	None	
		Weed:		

Kind and Variety: ARTEMISIA TRI. VASEYANA - MOUNTAIN BIG SAGEBRUSH - VNS

Lot Number:	ARTRV - INV123285	Origin:	UT	Laboratory Name:
Pure Seed:	32.43 %	Germ % + Hard %	96 -P&TZ	NST Labs
Other Crop:	0.00 %	Total Viable %:	96.00	
Inert Matter:	67.57 %	Date Tested:	15-NOV-12	
Weed Seed:	0.00 %	Prohibited or		
Pure Live Seed:	31.13%	Restricted Noxious	None	
		Weed:		

Kind and Variety: ELYMUS LANCEOLATUS SSP. LANCEOLATUS - THICKSPIKE WHEATGRASS - SCHWENDIMAR

Lot Number:	AGDA - G0817	Origin:	WY	Laboratory Names:
Pure Seed:	98.52 %	Germ % + Hard %	96 + 0 = 96-G	NST Labs
Other Crop:	0.00 %	Total Viable %:	96.00	(Purity: Wyoming Seed Analysis Lab)
Inert Matter:	1.48 %	Date Tested:	28-FEB-13	
Weed Seed:	0.00 %	Prohibited or		
Pure Live Seed:	94.58%	Restricted Noxious	None	
		Weed:		


Kind and Variety: KOCHIA PROSTRATA - FORAGE KOCHIA - VNS

Lot Number:	KOPR - G0759	Origin:	NV	Laboratory Name:
Pure Seed:	91.99 %	Germ % + Hard %	66 -P&TZ	Wyoming Seed Analysis Lab
Other Crop:	0.00 %	Total Viable %:	66.00	
Inert Matter:	8.00 %	Date Tested:	28-JAN-13	
Weed Seed:	0.01 %	Prohibited or		
Pure Live Seed:	60.71%	Restricted Noxious	None	
		Weed:		

Kind and Variety: POA AMPLA - BIG BLUEGRASS - SHERMAN

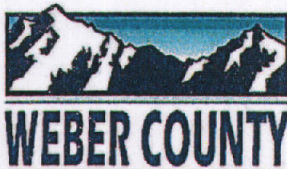
Lot Number:	POAM - LHS-121115	Origin:	WA	Laboratory Names:
Pure Seed:	98.16 %	Germ % + Hard %	92 -TZ	NST Labs
Other Crop:	0.00 %	Total Viable %:	92.00	(Purity: WA Dept. of Agriculture)
Inert Matter:	1.84 %	Date Tested:	17-APR-13	
Weed Seed:	0.00 %	Prohibited or		
Pure Live Seed:	90.31%	Restricted Noxious	None	
		Weed:		

Granite Seed - Lehi certifies that this analysis accurately represents the original copy of seed analysis and, where applicable, all testing has been conducted by a certified Seed Technologist using the sanctioned rules established by the Association of Official Seed Analysts.

Signature: 

Date: 12/3/13

Page 1 of 1



PUBLIC WORKS /ENGINEERING
(801) 399-8374
FAX: (801) 399-8862
Jared Andersen, P.E.
County Engineer

November 1, 2013

Brent R. Sumsion
Clyde Companies, Inc.
730 N. 1500 W.
Orem, Utah 84059
bsumsion@clydeinc.com

RE: Western Zirconium- Gravel Pit

Mr. Sumsion,

This letter concerns the above referenced Development. Below are my findings from a site visit.

1. In review of the site visit done on November 1, 2013, the area does not appear to have been re-vegetated. It appears that some top soil has been placed in the area to be spread so that the seed could be broadcast over the area. We would request that the bond does not be released until this work has been completed.
2. There are some stockpiles of material that are within the area on the gravel surface. We do not see any issues with these stockpiles remaining as they are for future use. However, if storms cause the fine materials to erode out of the stockpile with the possibility of leaving the site, then there will need to be a plan implemented to keep it from happening.

I have tried to address all items of concern from the engineering department. However, this review does not forego other items of concern that may come to this department's attention during additional reviews or during construction of improvements. If you have any comments or questions concerning this letter, feel free to contact me.

Sincerely,

Chad Meyerhoffer
Weber County Engineering Dept.
Phone: (801) 399-8004
e-mail: cmeyerho@co.weber.ut.us

I have tried to address all items of concern from the planning department. However, this review does not forego other items of concern that may come to this department's attention during additional reviews. If you have any comments or questions concerning this letter, feel free to contact me.

Sincerely,

Jim Gentry
Weber County Planning
(801)399-8767